

	Top chord	2x4	SP	#2	Dense
Bot chord		2x6	SP	#2	
	webs	2x4	SP	#3	

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

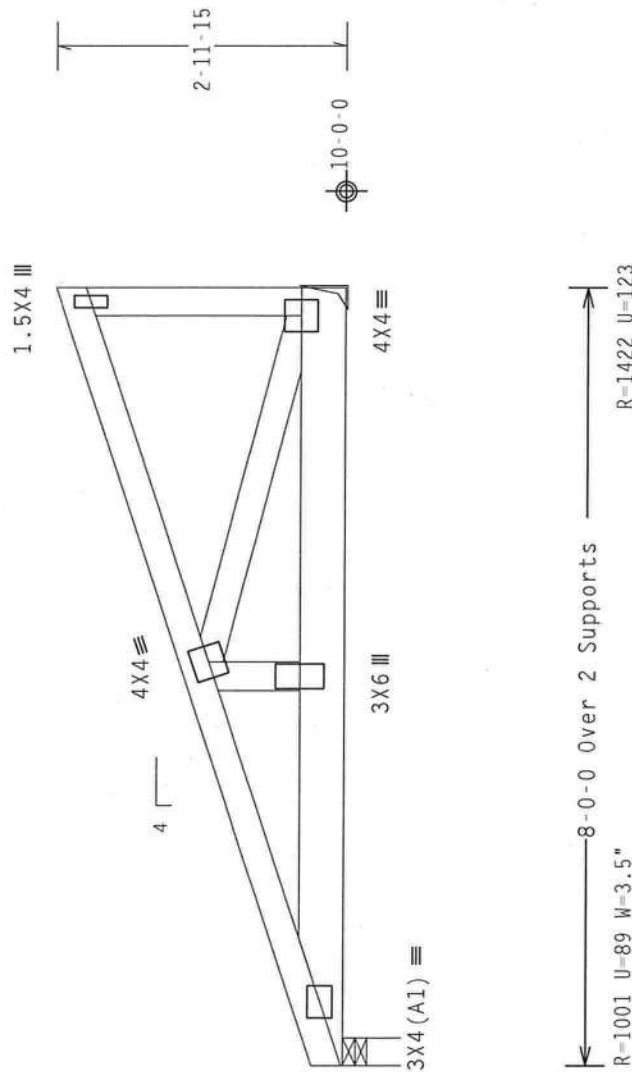
Wind reactions based on MWFRS pressures.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at 0.00 to 61 PLF at 8.00
BC - From 20 PLF at 0.00 to 20 PLF at 8.00
PLB- 443 LB Conc. Load at (2.06,10.04), (4.06,10.04)
(7.94,10.04)

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



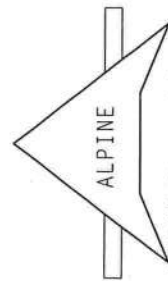
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

 $Cq/RT=1.00(1.25)/0(0)$

QTY: 1 EL 1 - 141 - 1 - 1R1 -

Scale = .5"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. ALWAYS FOLLOW THE FOLLOWING COMPONENT SAFETY INFORMATION. PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, ST. LOUIS, MISSOURI 63103) AND COUNCIL OF AMERICA, 4200 ENTERPRISE BLVD. WADSWORTH, MI 48093. FOR SAFETY REASONS, ALL THUSSES MUST BE PROPERLY ATTACHED TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID GULLING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THIS DESIGN WILL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY FABRICATING, WELDING, JOINING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE FOLLOWING PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ITW BCG SHALL BE RESPONSIBLE FOR THE FOLLOWING PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) GALV. STEEL. APPLY TO ALL CONNECTION PLACES AND JOINTS. UNLESS OTHERWISE SPECIFIED, THE FOLLOWING PROVISIONS SHALL APPLY TO ALL PLATES TO LACE FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED, THE FOLLOWING PROVISIONS SHALL APPLY TO ALL INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC 3.0 OF TPI-2002 SPECIFICATION FOR TRUSSES COMPOSED OF PLATES AND (2) SHALL BE PER AISC 3.0 OF TPI-2002 SPECIFICATION FOR TRUSSES COMPOSED OF PLATES AND DRIVING INDICATES. ACCEPTANCE OF PROFESSIONAL ENGINEERING SOCIETY FOR THE TRUSS COMPOUND DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1. SEC. - 2.



TC LL	20.0 PSF	REF R8228- 64240
TC DL	10.0 PSF	DATE 07/31/08
BC DL	10.0 PSF	DRW HCUR8228 08213006
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 37944
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ08228Z02

	Top	chord	2x4	SP	Dense
	Bot	chord	2x4	SP	Dense
		webs	2x4	SP	Dense

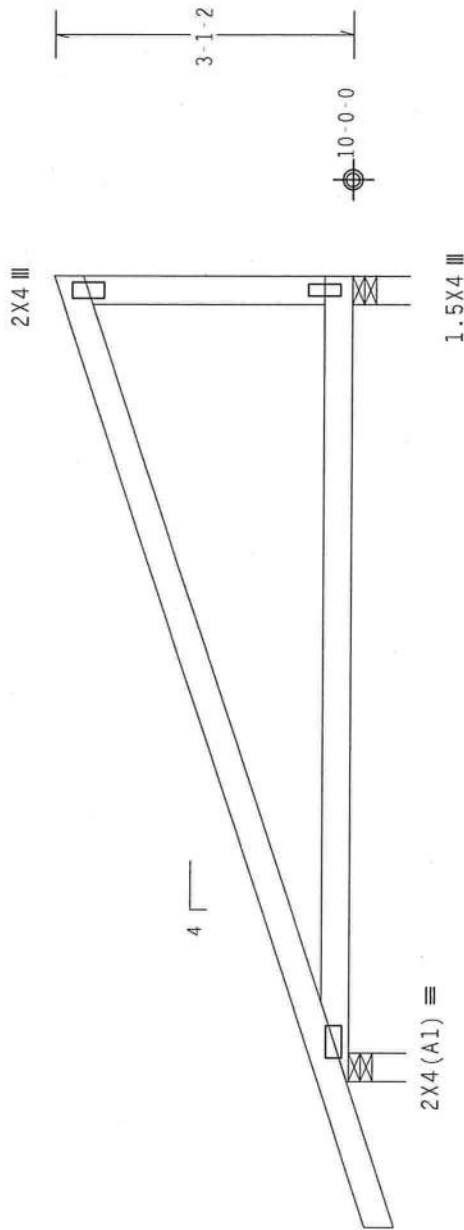
110 mph wind, 15.00 ft mean hot, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi ($v/-$)=0.18

Root overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Right end vertical not exposed to wind pressure.

 $\downarrow \rightarrow 1-6-0 \rightarrow$

8-3-8 Over 2 Supports

R=451 U=43 W=3.5"

R=319 U=42 W=3.5"

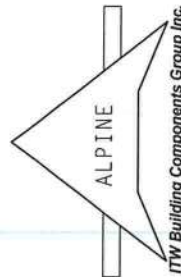
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

 $Cq/RT=1.00(1.25)/0(0)$ 7 36.00

OTY:5

Scale = .5"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PLEASE CONTACT THE MANUFACTURER FOR A COMPLETE SET OF CONSTRUCTION DETAILS. PUBLISHED BY TPI GROUP PLATE INSTITUTE, 610 NORTH LEE STREET, SUITE 312, ALPHARETTA, GA 30201-7892. TEL: 770-962-8800 FAX: 770-962-8801. E-MAIL: TPI@TPI.COM

*** IMPORTANT *** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, INCLUDING FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONSIDERATIONS: TRUSSES TO BE USED FOR ROOFING OF ADS (NATIONAL DESIGN SPEC., BY AFCEP) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2024-T3 ALUMINUM (STRENGTH 40,000 PSI, 871-555 GALV). STEEL, APPLY TO PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED. (SEE DRAWING FOR DIMENSIONS, HOLE LOCATIONS, ETC.)

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-1-2009 SPECIFICATION FOR TRUSS COMPONENTS AND (2) SHALL BE PER AMER AS OF TPI-2-2009 SPECIFICATION FOR TRUSS COMPONENTS.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0	PSF	REF	R8228 - 64241
TC DL	10.0	PSF	DATE	07/31/08
BC DL	10.0	PSF	DRW	HCU8R8228 08213007
BC LL	0.0	PSF	HC-ENG	JB/DF *
TOT.LD.	40.0	PSF	SEQN	37602
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1TJ08228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

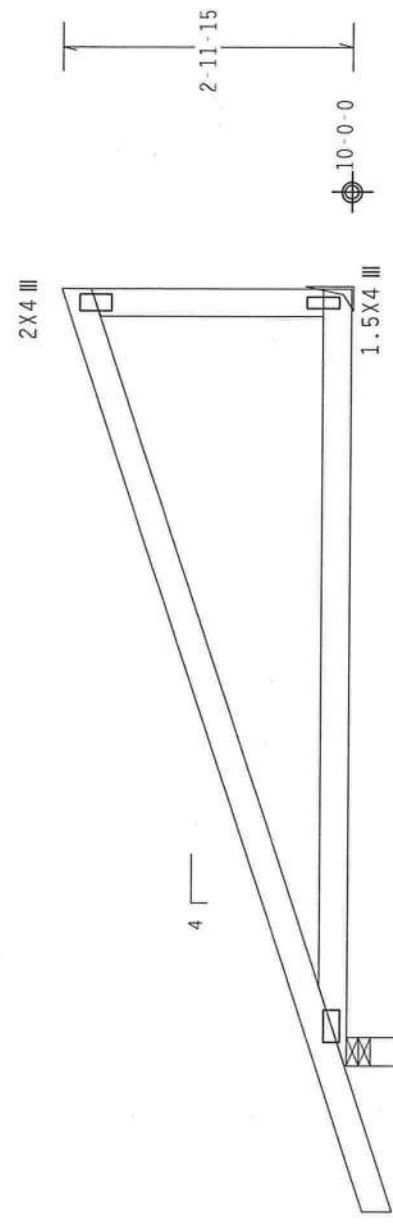
Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



←1-6-0→
←8-0-0 Over 2 Supports
R-307 U-40
R-439 U-42 W=3.5"

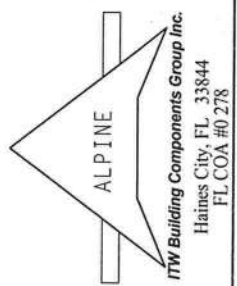
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave		design CRIT. IPI-2002(SID)/FBC		Cq/RT=1.00(1.25)/0(0)		7.36.00		QTY:5		FL/-/4/-/-/R/-		Scale =.5"/Ft.							
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSS (BUILDING COMPONENT SAFETY) INFORMATION FOR TPI TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND VTC (WOOD TRUSS CONSTRUCTION) 6500 HARTREE LANE, MADISON, MI 48219. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TRUSSES OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI 1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI 1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (A-7055/K) ASTM A563 GRADE 40/60 (H, K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 1600A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. SIGNATURE, ACCEPTANCE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.												DOUGLAS FLEMING LICENSE No. 66648 DATE OF FLORIDA PROFESSIONAL ENGINEER 31 '08		TC LL 20.0 PSF		REF R8228- 64242		* *	
		TC DL 10.0 PSF		DATE 07/31/08															
		BC DL 10.0 PSF		DRW HCUSR8228 08213008															
		BC LL 0.0 PSF		HC-ENG JB/DF															
		TOT.LD. 40.0 PSF		SEQN- 37939															
		DUR.FAC. 1.25																	
		SPACING 24.0"		JREF- 1TJ08228Z02															
 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278																			



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI TRUSS MANUFACTURING AND INSTALLATION PRACTICES SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGNER ACCEPTS NO LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF THIS DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS.



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 23.07 ft mean hgt, ASCE 7-02, CLOSED bldg. located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=2.0 psf. 1w=1.00 Gcpi(+/-)=0.18

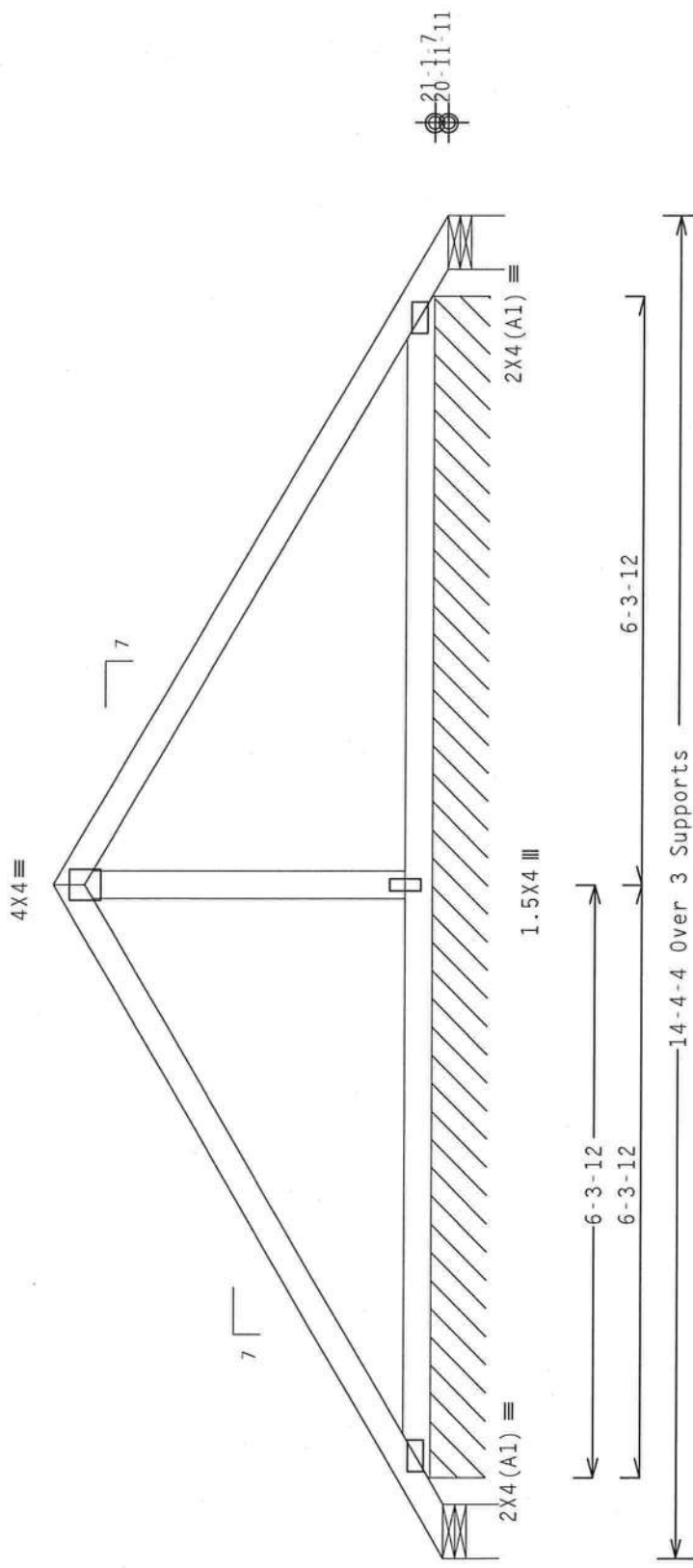
Wind reactions based on MWFRS pressures.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback
details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE
BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 7.18
TC - From 63 PLF at 7.18 to 63 PLF at 14.35
BC - From 4 PLF at 0.00 to 4 PLF at 14.35

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



R=169 Rw=91 U=94 W=6.947"

R=169 Rw=110 U=140 W=6.946"
R=100 PLF U=39 PLF W=12-7-8

Design Crit: TPI-2002(STD)/FBC

Scale = .5" / Ft.

QTY: 22 FL / - / 4 / - / - / R / -

Cg/RT=1.00(1.25)/0(0)

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. 1TH BEG CONNECTOR PLATES ARE MADE OF 20/18/16GA (U-H/SS/X) ASTM A653 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 64244
TC DL	10.0 PSF	DATE	07/31/08
BC DL	10.0 PSF	DRW	HCUSR8228 08213010
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	37626
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TJ08228202

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 22.90 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

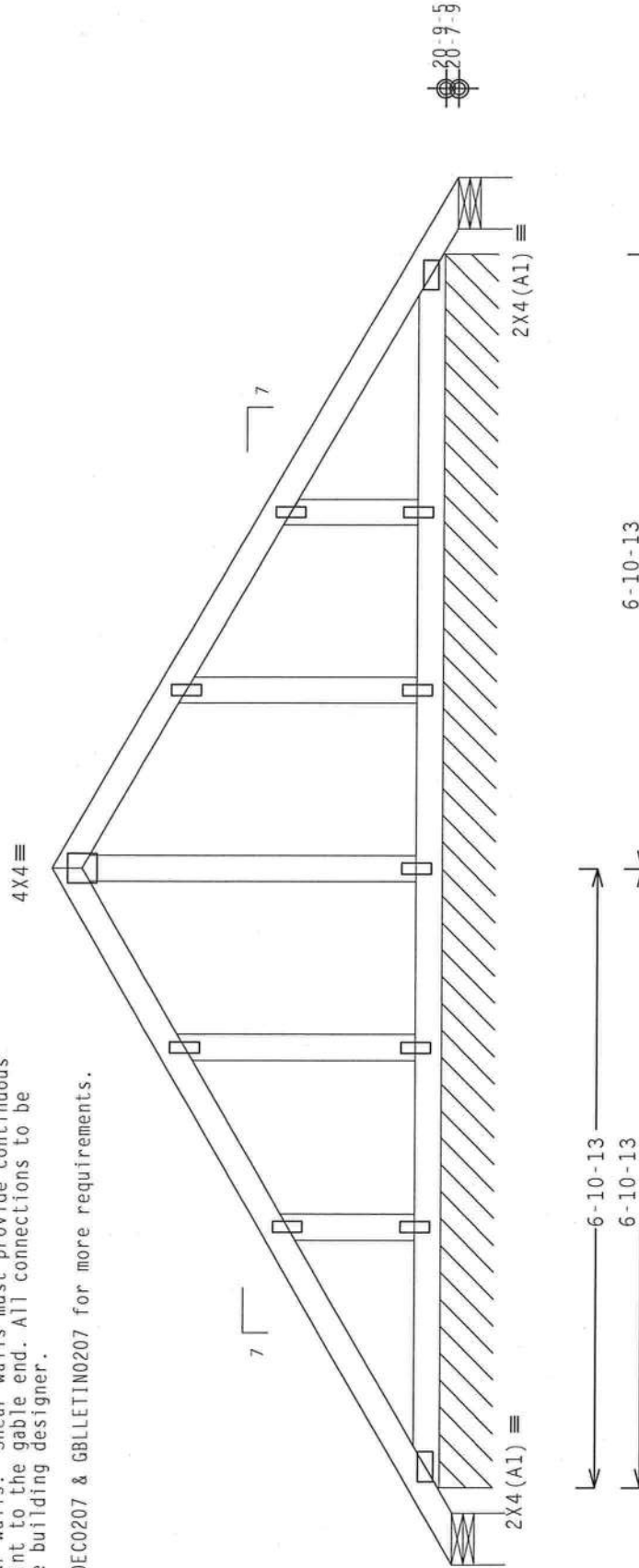
See DWGS A11030EC0207 & GBLLETIN0207 for more requirements.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 7.77
TC - From 63 PLF at 7.77 to 63 PLF at 15.54
BC - From 4 PLF at 0.00 to 4 PLF at 15.54

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=-5 Rw=57 U=58 W=6.946"

R=74 PLF U=26 PLF W=13-9-11

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/0(0)

7.36.00.00

QTY:1

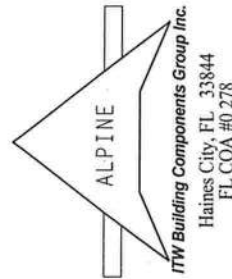
Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R8228- 64245
TC DL	10.0 PSF	DATE	07/31/08
BC DL	10.0 PSF	DRW	HCUSR8228 08213011
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	37929
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TJ08228Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WPCA (WOOD PRESERVATION COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEP) AND TPI. ITM BCG CONNECTION PLATES ARE MADE OF 2018/166A (U-N/SS/TK) ASTM A653 GRADE 40/50 (H, K/H-SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES AND BOLTS. ITM BCG SHALL BE PERMANENT AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



SPECIAL LOADS

		(LUMBER	DUR.FAC. = 1.25	/	PLATE	DUR.FAC. = 1.25)
TC	-	From	63 PLF at	0.00 to	63 PLF at	8.42
TC	-	From	63 PLF at	8.42 to	63 PLF at	16.84
BC	-	From	4 PLF at	0.00 to	4 PLF at	16.84

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

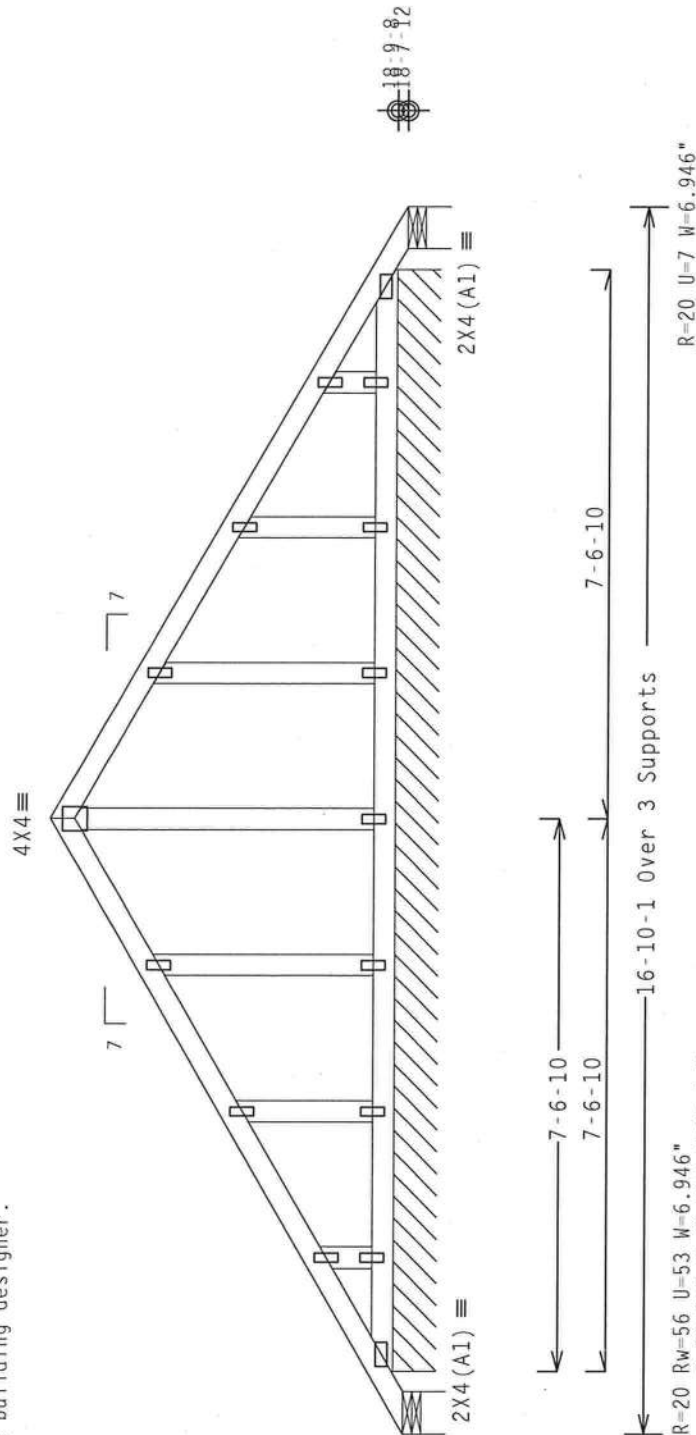
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Wind reactions based on MWFRS pressures.

Refer to DWG PIGBACK0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

See DWGS A11030EC0207 & GBLETTIN0207 for more requirements.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.



R=20 RW=56 H=53 W=6 946"

R=70 PLF U=22 PLF W=15-1-5

—16-10-1 Over 3 Supports

R=20 U=7 W=6.946"

Note: All Plates Are 1.5X4 Except As Shown.

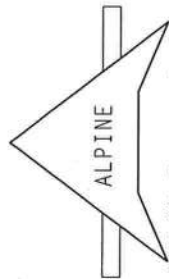
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

$\text{Ca}/\text{RT}=1.00(1.25)/0(0)$	7 36.00
1 2002(SIB)/1 DC	

OTY:1

Scale = .375"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING THUSSES REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS' BUILDING COMPONENT SAFETY INFORMATION FOR A COMPLETE LIST OF PRECAUTIONS. BCS' NORTH LANE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WCA (WOOD TRUSS COMPANY), 2100 HIRTH LANE, MADISON, WI 53719. ALL THUSSES MUST BE PROPERLY ATTACHED TO THE STRUCTURAL MEMBERS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THIS DESIGN, INCLUDING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH: NATIONAL DESIGN SPEC. BY AISC AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2019/2010 ALUMINUM (6061-T6, K/N-S5) GALV. STEEL. APPLY TO ALL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED (SEE POSITION PER DRAWING 160A-2).

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEC AS OF TPI-2002 SPECIFICATION FOR THE TRUSS COMPONENTS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0	PSF	REF	R8228-	64246
TC DL	10.0	PSF	DATE	07/31/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08213012
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	37934	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1TJ08228Z02	

Wind reactions based on MWFRS pressures.

TC	From	61 PLF at 0.00 to	61 PLF at 8.29
8C	From	20 PLF at 0.00 to	20 PLF at 8.29
8C	443 LB Conc.	Load at 2.06	4.06 6.06

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



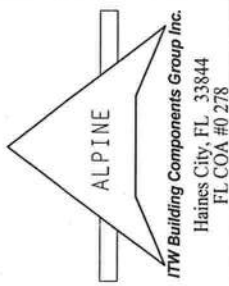
Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R8228-	64247
TC DL	10.0	PSF	DATE	07/31/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08213013
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	37735	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1TJ08228Z02	



IMPORTANT—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THIS DESIGN OR FABRICATING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

THE TRUSS COMPONENTS CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC, BY ATRPA) AND TP1-2002. CONNECTOR PLATES ARE MADE OF 2018/16GA (.0175X55) ASTM A453 GRADE 40/60 (W/.K/1.55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS POSITION PER DRAWINGS 160A-Z. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE INSTALLING DESIGNER PER ANSI/TP1 1 SEC. 2.



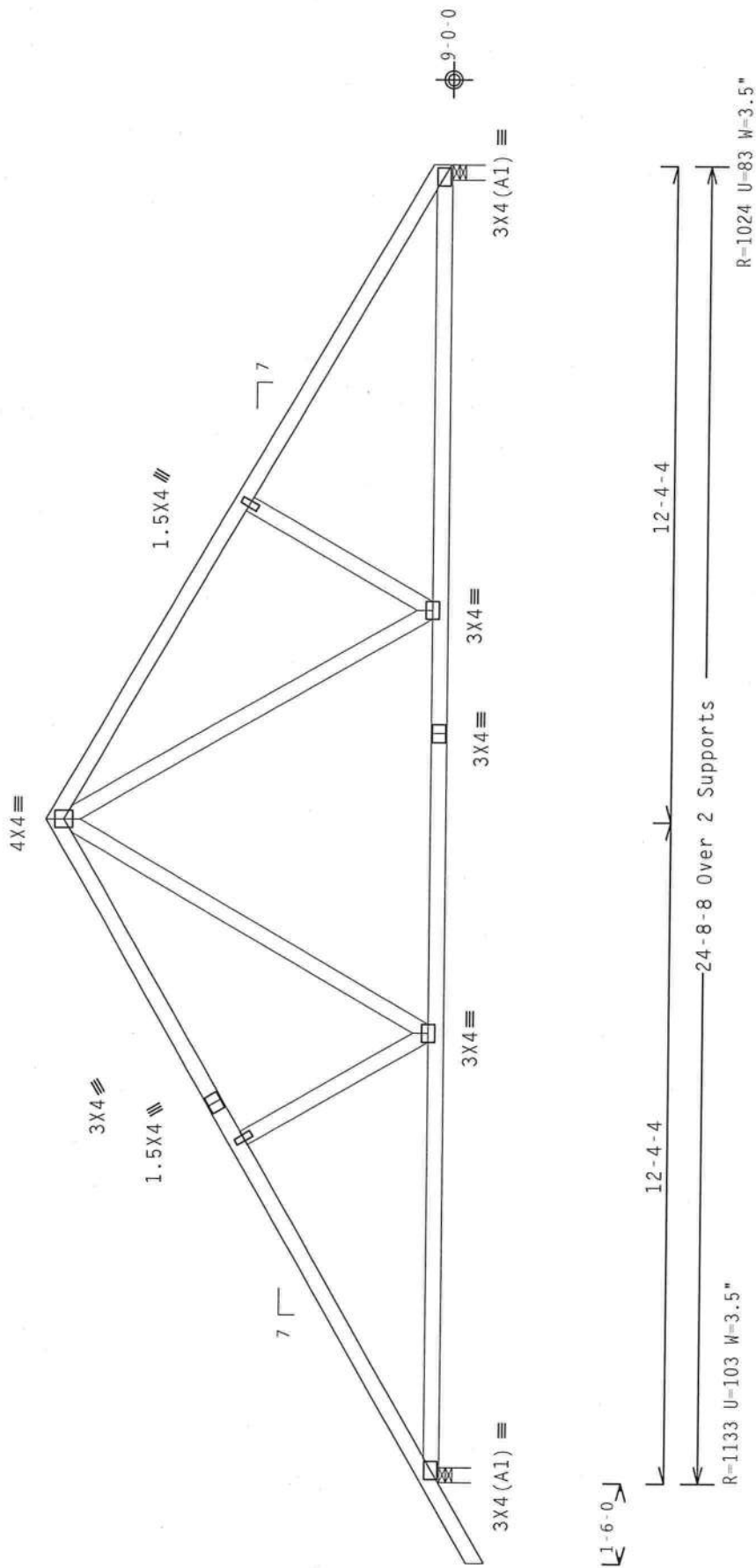
	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense	
	webs	2x4	SP	#3		

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCPI(+/-)=0.18

Room overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

wind reactions based on MWFRS pressures.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/0(0)$

00.

0TY.4 E11-1A1-1-1B1-

Scale = .3125"/Ft.

WARNING: THUSSELS REQUIRE EXTREME CARE IN FABRICATION, INSTALLATION, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), HOBASITE, INC. (THRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MCA (WOOD THUSSEL COMPANY), 6300 ENTERPRISE LANE, WAUWATONIA, WI, 53219, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

TW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

80, 15

DUR.FAC.	1.25
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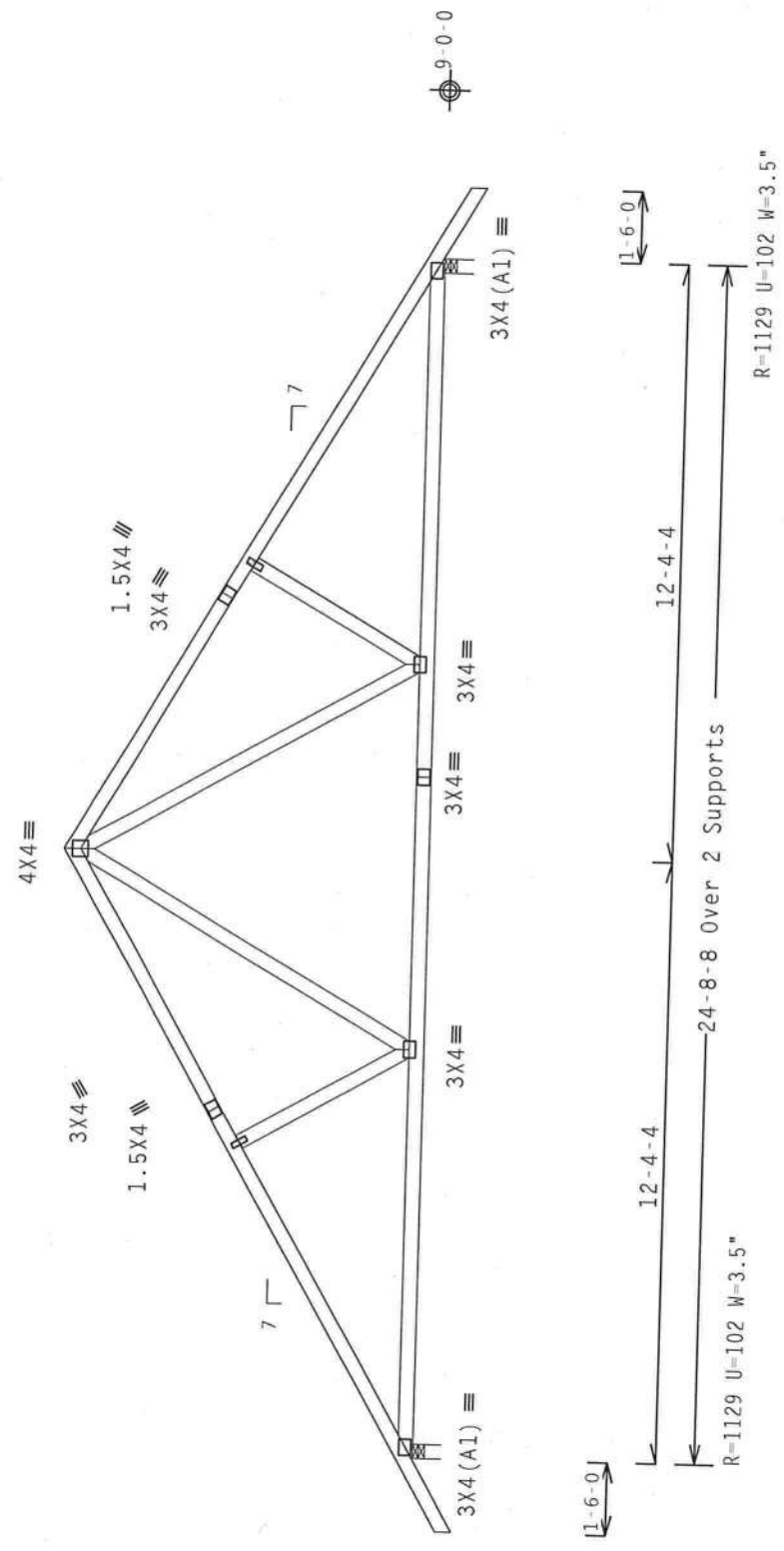
2

Tc9

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perfection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

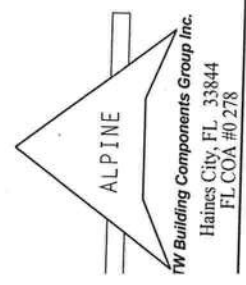


QTY: 4	FL / - / 4 / - / - / R / -	Scale = .25" / Ft.
TC LL	20.0 PSF	REF R8228 - 64249
TC DL	10.0 PSF	DATE 07/31/08
BC DL	10.0 PSF	DRW HCUSR8228 08213014
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT.LD.	40.0 PSF	SEQN- 37636
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 11108228702



****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANIMATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING WITH APPLICABLE PROVISIONS, INSTALLING & BRACING OF TRUSSES.

CONNECTION PLATES ARE MADE OF 2018/1814 (IN W/25X18) (NATIONAL DESIGN SPEC. BY AIA/PCA) AND 1011. ITW BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED OR NOTED, 40760 (6, 8/2H-55) GALV. STEEL, APPLY TO ALL CONNECTIONS. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSSES SHALL BE THE DESIGNING ENGINEER'S. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSSES SHALL BE THE BUILDING DESIGNER PER AIA/PCA 1011. USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE USER.



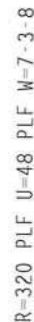
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A11015EEE0207 & GBLETTIN0207 for more requirements.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

BRACED FOR OUT OF PLANE WIND LOADS.
DESIGNED AND FURNISHED BY OTHERS.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R8228-	64250
TC DL	10.0 PSF	DATE	07/31/08	
BC DL	10.0 PSF	DRW	HCU8R8228	08213018
BC LL	0.0 PSF	HC-ENG	JB/DF	
TOT.LD.	40.0 PSF	SEQN-	37643	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1TJ08228Z02	



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY ITI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID END PLATES.

**** IMPORTANT **** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY THAT MAY OCCUR DUE TO THE USE OF THIS DESIGN. ITW BCG, INC. HAS NO LIABILITY FOR ANY FAILURE TO BUILD THE TROUSS IN COMPLIANCE WITH THE TPI OR FABRICATING HANDLING, SHIPPING AND STORAGE REQUIREMENTS OF THESE TROUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) AND TPI. CONNECTOR PLATES ARE MADE OF 20X10X1/8GA OR 16X25X3/4 TYPICAL STEEL. APPLICATION OF STEEL PLATES TO EACH FACE OF TROSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. IF ANY INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER AMEX X-3 OF TPI-1-2002 SEC.3. DRAPING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROSS COMPONENT DESIGN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER PER AMEX/TPI 1 SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

110 mph wind,
anywhere in ro
DL=5.0 psf. Iw

15.40 ft mean hgt, ASCE 7-
of, CAT II, EXP B, wind TC
=1.00 GCpi (+/-) =0.18

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3 or better "J" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5" min)

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. See also Section 28.00.

conductor: special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



0(0) 7 30 30

A circular professional engineer seal for Douglas Fleming, State of Florida, License No. 66648. The seal includes the text "DOUGLAS FLEMING", "LICENSE", "STATE OF FLORIDA", and "PROFESSIONAL ENGINEER". A star is positioned at the top center. The date "08/31" is stamped on the right side. A handwritten signature is visible over the license number.



ALPINE
Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0 278

ALPINE

W Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

110 mph wind, 15.40 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(B) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

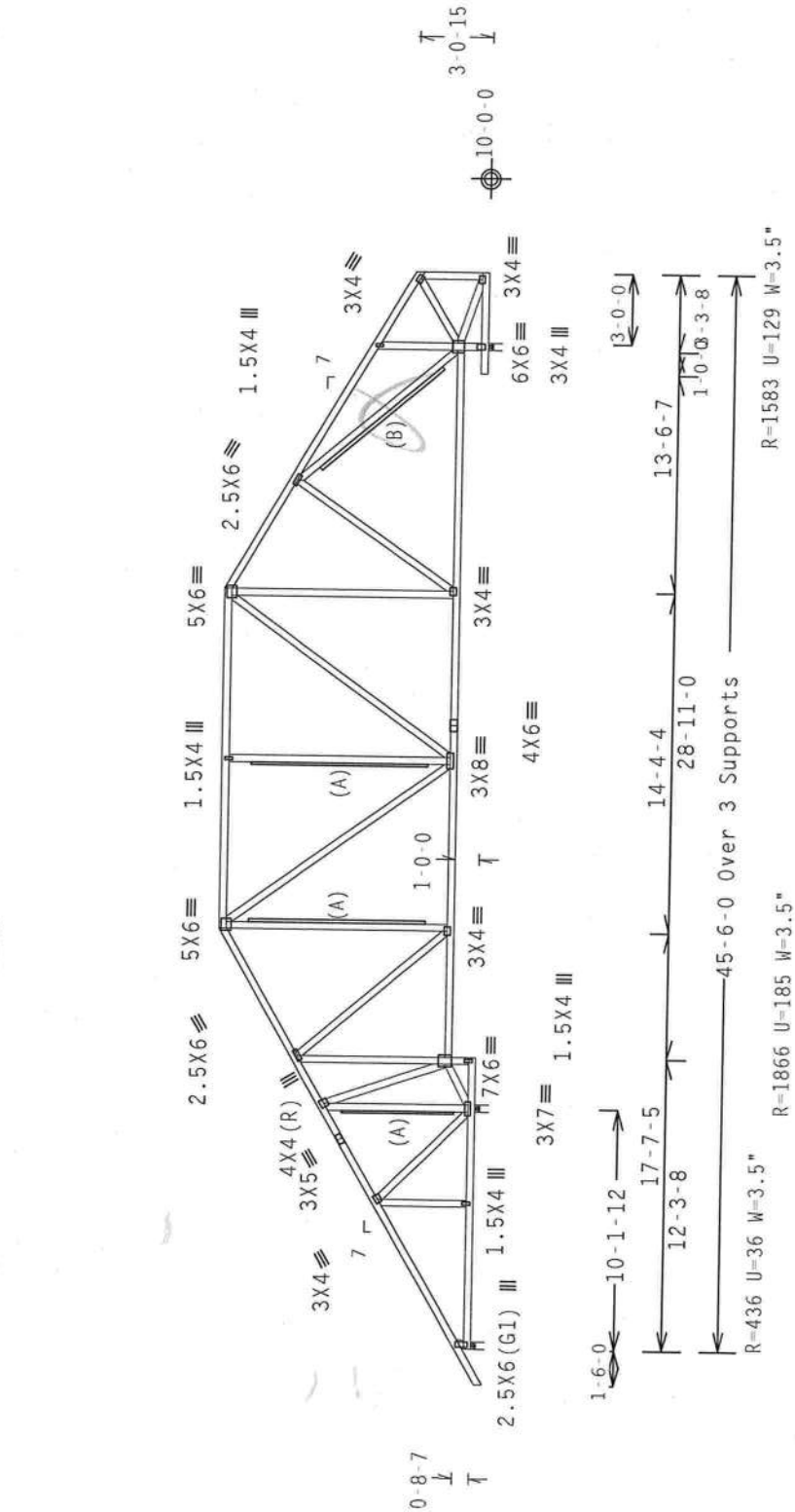
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



LT TYP. Wave

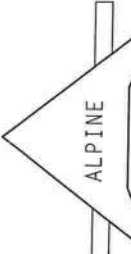
Design Crit: TPI-2002(STD)/FBC

QTY: 2	FL / - / 4 / - / - / R / -	Scale = .125" / Ft.
TC LL	20.0 PSF	REF R8228- 64252
TC DL	10.0 PSF	DATE 07/31/08
BC DL	10.0 PSF	DRW HCUSR8228 08213020
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 37663
DUR.FAC.	1.25	JREF- 1TJ08228202
SPACING	24.0"	

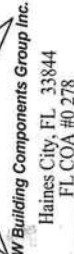


WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN OR CONSTRUCTION OF THE TRUSS. THE TRUSS IS TO BE USED FOR THE PROJECT AND NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN OR CONSTRUCTION OF THE TRUSS. THE TRUSS IS TO BE USED FOR THE PROJECT AND NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

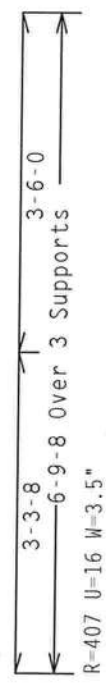


ALPINE



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Shim all supports to solid bearing.



Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/0(0) 7.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, TRUSS PLATE MANUFACTURER #218, NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/P&I AND TPI). ITH REG CONNECTOR PLATES ARE MADE OF 2018/16GA (W./H/55/K) ASTM A653 GRADE 40/60 (4. W./H/55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED OR THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/TP1 1. C. 2.

FL/-/4/-/R/-	Scale = .5" / Ft.
TC LL 20.0 PSF	REF R8228- 64253
TC DL 10.0 PSF	DATE 07/31/08
BC DL 10.0 PSF	DRW HCUSR8228 08213015
BC LL 0.0 PSF	HC-ENG JB/DF *
TOT.LD. 40.0 PSF	SEQN- 37667
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1TJ08228Z02



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

Truss must be installed as shown with top chord up.

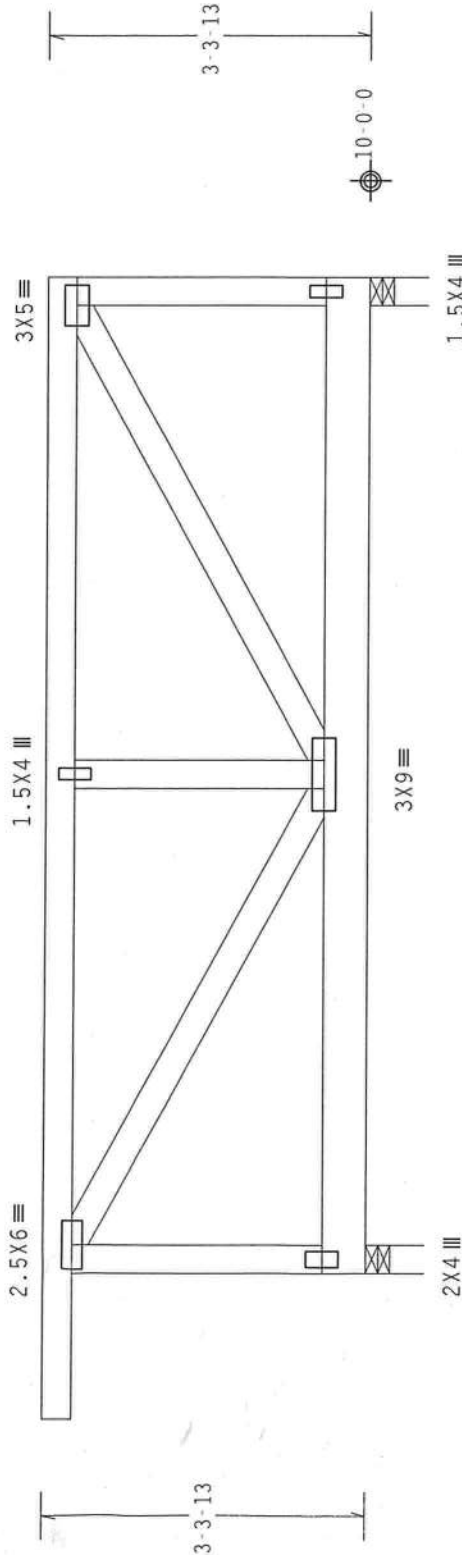
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 10.25
BC - From 20 PLF at 0.00 to 20 PLF at 10.25
PLT - 208 LB Conc. Load at (0.06,13.28)
PLT - 91 LB Conc. Load at (0.85,13.28), (2.85,13.28), (4.85,13.28)
(6.85,13.28), (8.85,13.28)
PLB - 208 LB Conc. Load at (0.06,10.04)
PLB - 172 LB Conc. Load at (0.85,10.04), (2.85,10.04), (4.85,10.04)
(6.85,10.04), (8.85,10.04)

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.



← 1-6-0 →

← 10-3-0 Over 2 Supports

R=1613 U=1016 W=3.5"

R=1029 U=160 W=3.5"

Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.00(1.25)/0(0)

7.36.00

QTY: 1 FL/-/4/-/R/-

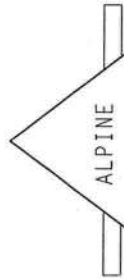
Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R8228- 64254
TC DL	10.0 PSF	DATE	07/31/08
BC DL	10.0 PSF	DRW	HCUSR8228 08213021
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	37809
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TJ08228Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. 1TH REG. CONNECTOR PLATES ARE MADE OF 20/18/16GA (U-H/SS/PS) ASTM A653 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. SHOWN HEREIN IS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

TC LL	20.0	PSF	REF	R8228- 64255
TC DL	10.0	PSF	DATE	07/31/08
BC DL	10.0	PSF	DRW	HCUSR8228 08213022
BC LL	0.0	PSF	HC-ENG	JB/DF
TOT.LD.	40.0	PSF	SEQN-	37675
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	11J0828702

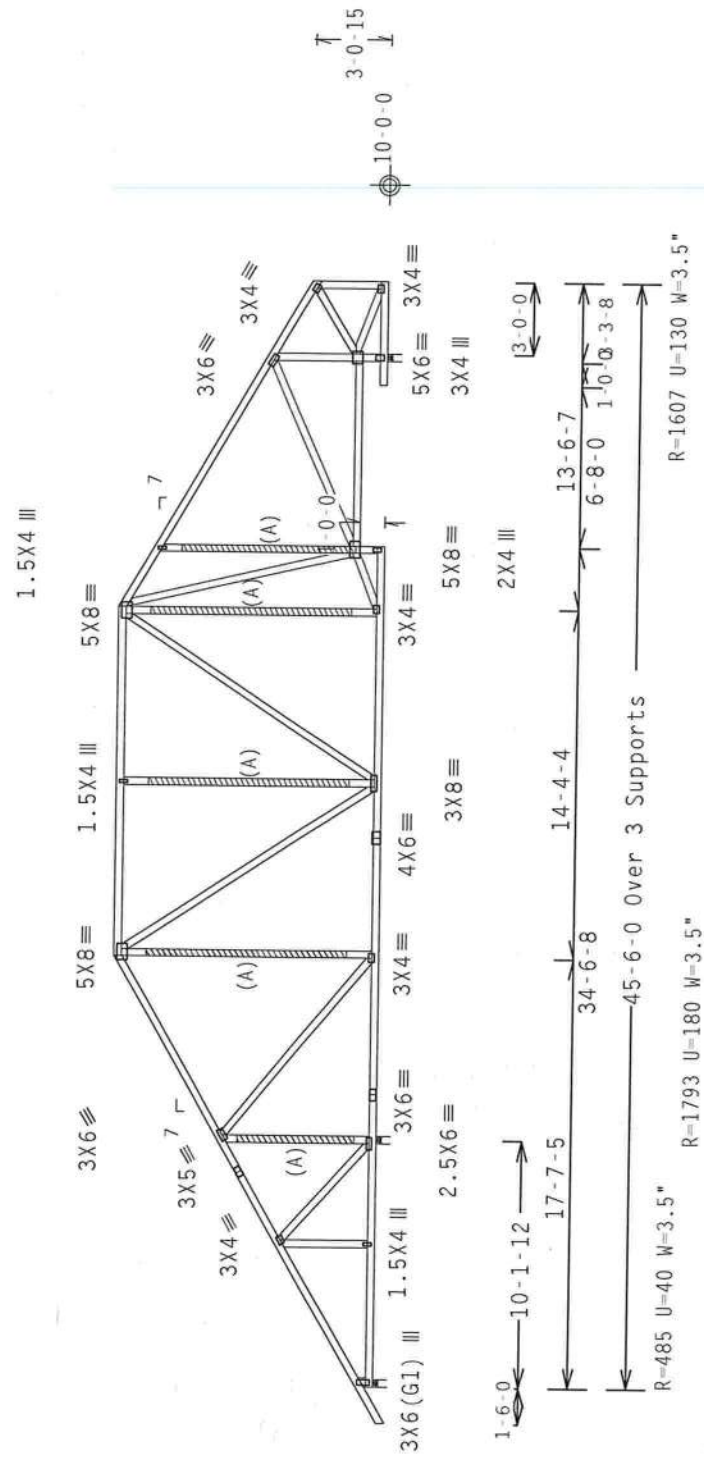
110 mph wind, 15.40 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)

Scale = .125"/Ft.

QTY: 1

FL / - / 4 / - / - / R / -

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF R8228- 64256

DATE 07/31/08

DRW HCUSR8228 08213023

HC-ENG JB/DF

SEQN- 37684

JREF- 1TJ08228Z02

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

DO NOT SCALE

FLORIDA

PROFESSIONAL ENGINEER

No. 66648

STATE OF FLORIDA

31 '08

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 ENTERPRISE BLVD., SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., SUITE 100, FARMERSBURGH, NY 11735) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN. THE USER SHALL BE RESPONSIBLE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (9.4/55/8) ASH A653 GRADE 40/60 (9.4/55) GALV. STEEL. THE BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.2. A SEAL ON THIS BEAMING SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(S 092-BRYAN ZECHER Lot #22 The Oaks -- ** B4)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

(A) 1x4 #3 or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

(B) 2x6 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

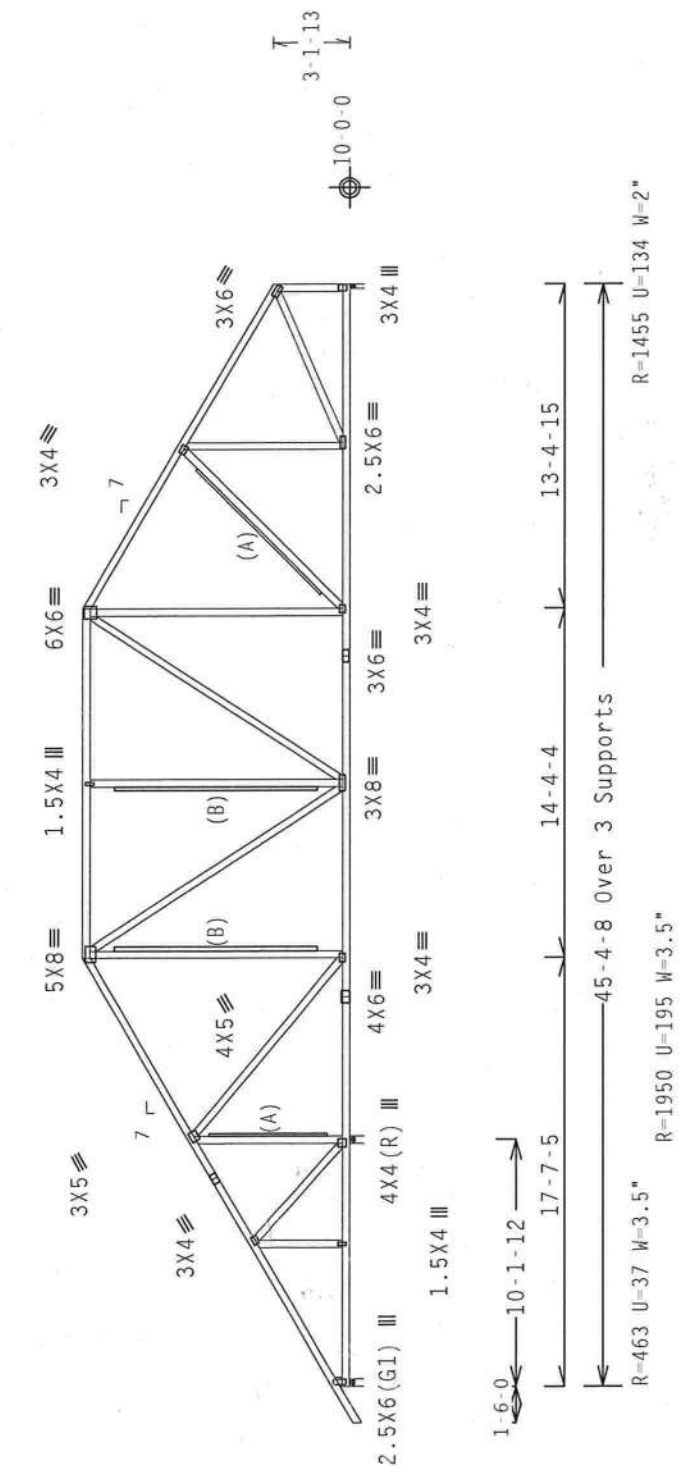
110 mph wind, 15.40 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



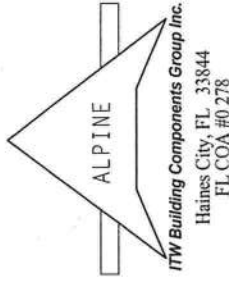
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.00

PLT TYP. Wave	QTY: 1	FL/-/4/-/1/R/-	Scale = .125"/Ft.
	TC LL	20.0 PSF	REF R8228- 64257
	TC DL	10.0 PSF	DATE 07/31/08
	BC DL	10.0 PSF	DRW HCUSR8228 08213024
	BC LL	0.0 PSF	HC-ENG JB/DF
	TOT.LD.	40.0 PSF	SEQN- 37701
	DUR.FAC.	1.25	
	SPACING	24.0"	JREF- 1TJ08228Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 INTERSTATE 10, SUITE 100, FORT WORTH, TEXAS 76101) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PFA) AND TPI. THE BCS CONNECTOR PLATES ARE MADE OF 20/10/16GA (A/1/55/78) ASTM A653 GRADE 40/60 (M, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.



ITW Building Components Group Inc.
Haines City FL 33844
FL COA #0 278

2x4 SP #2 Dense
2x4 SP #2 Dense
2x4 SP #3
Cubbed Wedge 2x4 SP #3:

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

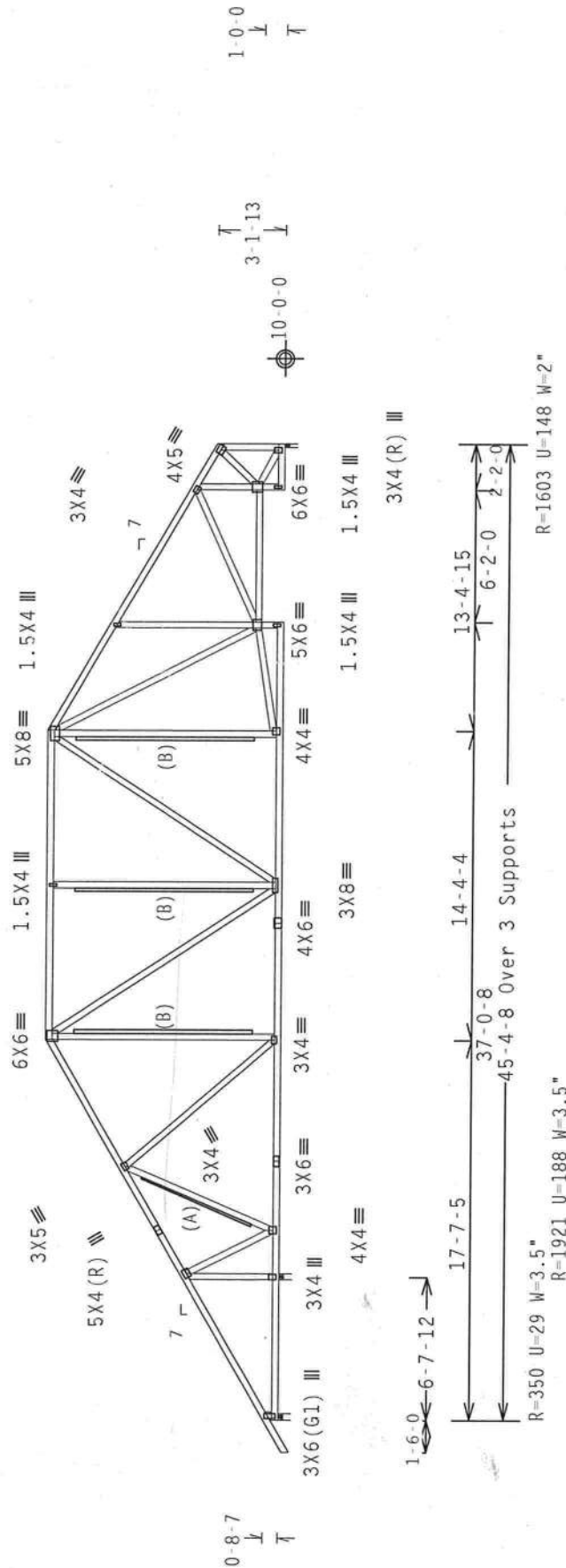
110 mph wind, 15.40 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(B) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

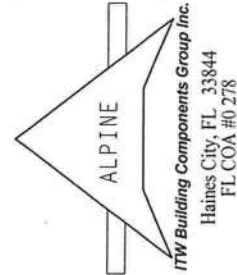
Cg/RT=1.00(1.25)/0(0) 7.36.00

Scale = .125"/Ft.



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPI BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNER'S DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., 2005) AND TPI. 1TH BEG TRUSSES ARE MADE TO THE STANDARD OF 20/107/1006 (4.0/55/8) ASH 4053 GRADE 40/60 (H, K/H-55) GALV. STEEL. APPLY PLATES TO EACH CHORD JOINT UNLESS OTHERWISE NOTED. UNLESS OTHERWISE NOTED, ALL TRUSSES SHALL BE DESIGNED TO RESIST A SEVERE WIND LOAD OF 140 MPH (1.00 SEC. 3). A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



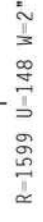
PLT TYP. Wave

TC LL	20.0	PSF	REF	R8228- 64259
TC DL	10.0	PSF	DATE	07/31/08
BC DL	10.0	PSF	DRW	HCUSR8228 08213026
BC LL	0.0	PSF	HC-ENG	JB/DF
TOT.LD.	40.0	PSF	SEQN-	37713
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1TJ08228Z02

THE UNIVERSITY OF CHICAGO PRESS

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Scale = .125"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Lt Stubbed Wedge 2x4 SP #3:

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3 or better "I" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

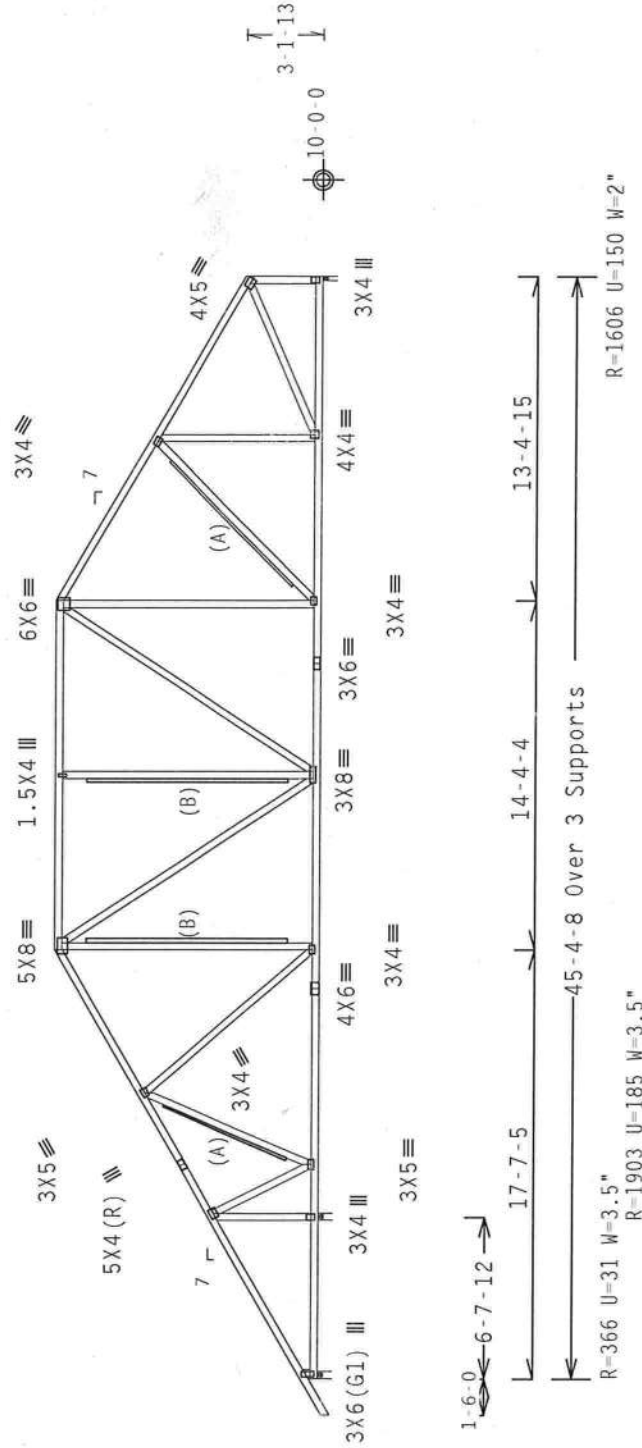
110 mph wind, 15.40 ft mean hgt, ASCE 7-02, CLOSED bldg. not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(B) 2x6 #3 or better "I" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



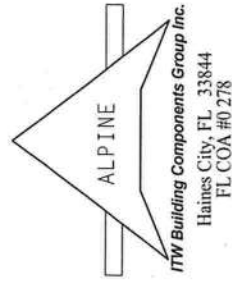
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.00

PLT TYP. Wave



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HUD (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2017/166A (4-H/SS/2) ASTM A653 GRADE 40/60 (4, 8/2H-SS) GALV. STEEL. APPLY TO ALL TRUSSES. ANY INSPECTION OF PLATES SHALL BE DONE BY A PROFESSIONAL ENGINEER. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS OR OTHER DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



QTY: 1	FL / - / 4 / - / - / R / -	Scale = .125" / Ft.
TC LL	20.0 PSF	REF R8228- 64261
TC DL	10.0 PSF	DATE 07/31/08
BC DL	10.0 PSF	DRW HCUSR8228 08213028
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 37740
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ08228Z02

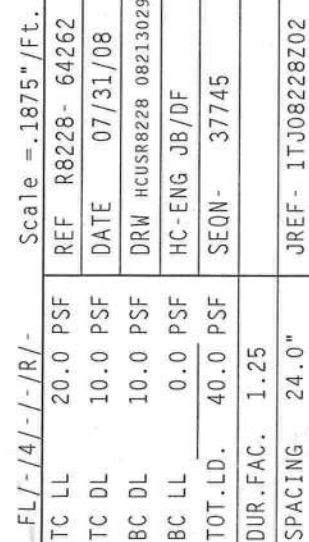
110 mph wind, 15.40 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(A) 2x6 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

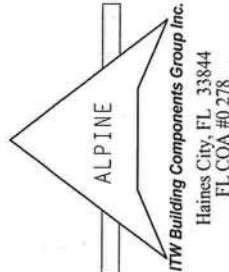
Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Cq}/\text{RT}=1.00(1.25)/$

WARNING: THUSSELS REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE STEEL PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND AISC (WOOD TRUSS, COUNCIL), 1000 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELL.

**** IMPORTANT ****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR THRU BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDING, SHIPPING, INSTALLING OR ERECTING TRUSSES.

CONTRACTOR PLATES ARE MADE OF 20/169/16GA./IN./ASTM A575 GRADE 40A. IN KANSAS GALV. STEEL. PLATE BCG TO PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER.A3 OF TP11-2002 SEC.3.

THIS DESIGN CANNOT GUARANTEE ACCURACY OF THIS ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SENSITIVITY OF THIS BUILDING FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMER/TP1 1, SEC. 2.



	Top	Bot	Dense
chord	2x4	SP #2	Dense
chord	2x4	SP #2	Dense
Webs	2x4	SP #3	

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

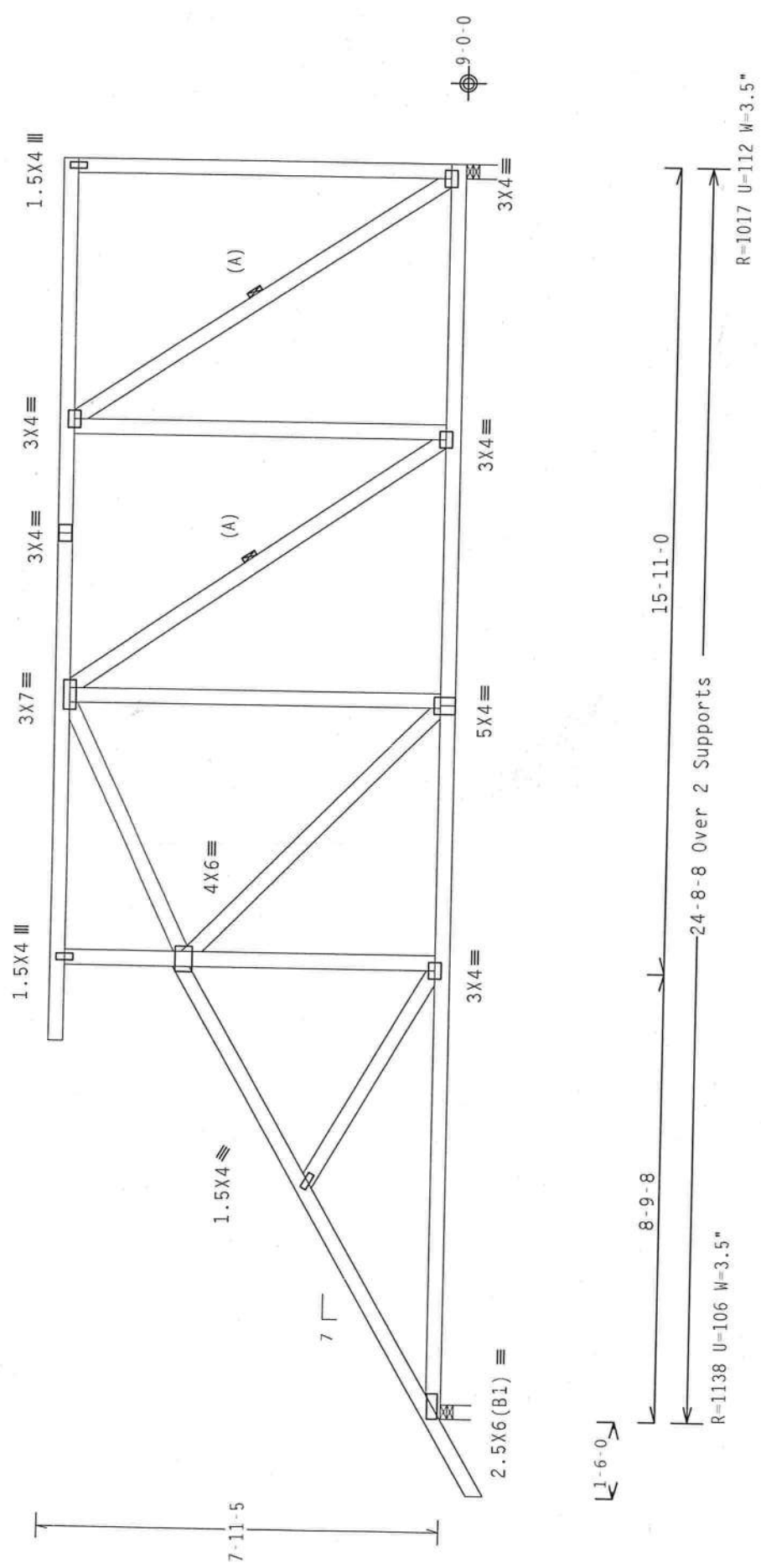
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean ht., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



.T TYP. Wave

Design Crit: TPI-2002(STD)/FBC

$Cq/RT=1.00(1.25)/0(0)$ 7 36.00

QTY:1 FL/-/4/-/-/R/-

$$\text{Scale} = .3125" / \text{Ft.}$$

TC LL	20.0	PSF	REF	R8228- 64263
TC DL	10.0	PSF	DATE	07/31/08
BC DL	10.0	PSF	DRW	HCU8228 08213030
BC LL	0.0	PSF	HC-ENG	JB/DF
TOT.LD.	40.0	PSF	SEQN-	37778
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1TJ08228702



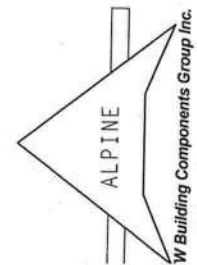
****WARNING**** RUSSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLANT INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND (4000 TRUSS COUNCIL OF AMERICA, 6390 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PERMANENTLY ATTACHED RIGID CEILING.

****IMPORTANT****TURFISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR . ITW REG., INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN REQUIREMENTS FOR MANUFACTURING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CORRECTOR PLATES ARE MADE AVAILABLE UNDER PROVISIONS OF NATIONAL STANDARD SPEC. BY AN/APA AND TPI.

PLATES TO EACH FACE OF TRUSS AND JOINTS - ALL SIZES ASH 6083 GRADE #6060 (# 6X1/2) GALV. STEEL. APPLY IF ANY INSPECTION OF PLATES FOLLOWED BY C shall see PERMANENTLY MARKED POSITION PER DRAWINGS I6GDA-2.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER SOLAS/TPI 1 SEC.-2.



W Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

	Top chord	2x4	SP	#2	Dense
	Bot chord	2x4	SP	#2	Dense
	Webs	2x4	SP	#3	

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

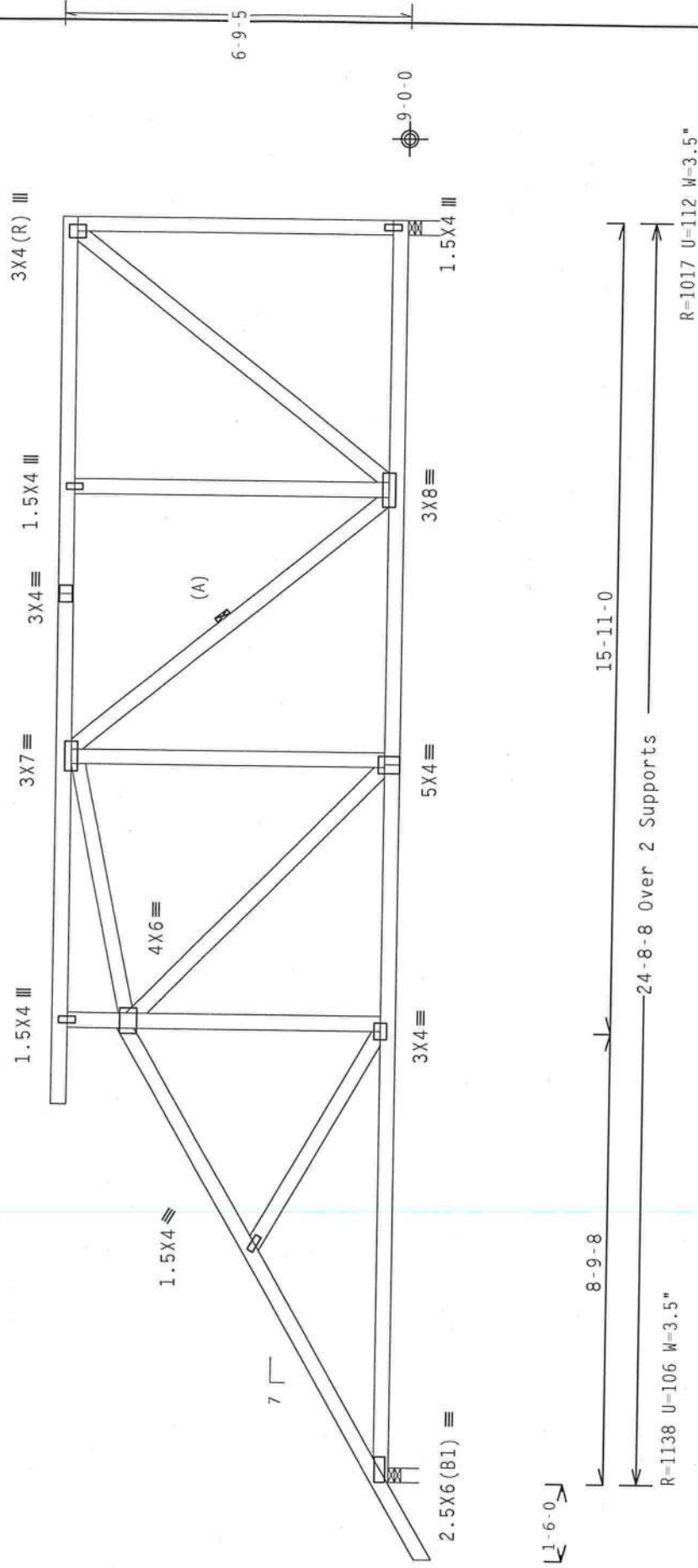
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



LT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/0(0)$$

7.36.00

QTY:1 FL/-/4/-/-/R/-

Scale = .3125"/Ft.

REFER TO DESI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES RELATIVE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ITW BCG, INC. SPECIFICATIONS FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMBIRS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. (BY AISC) AND IPT. 1. TRUSS AND JOINTS SHALL BE MADE OF 2010/16GA (H-H/SST) ATN A663 GRADE 40/60 (H, K/H-S) GALV. STEEL. APPLY PLATES TO EACH JOINT, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. 2. ANY INSPECTION OF PLATE QUALITY SHALL BE PER AISC A3 OF IPT-2002 SEC.3. 3. DRAWING INDICATES ACCEPTANCE OF PROTECT. MEASURES REGARDING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. 4. THE SUBMITTAL AND USE OF THIS CONTRACT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/IPT 1 SEC. 2.



TC LL	20.0	PSF	REF	R8228- 64264
TC DL	10.0	PSF	DATE	07/31/08
BC DL	10.0	PSF	DRW	HCUSR8228 08213031
BC LL	0.0	PSF	HC-ENG	JB/DF
TOT.LD.	40.0	PSF	SEQN-	37790
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1TJ08228702

TW Building Components Group Inc.
Haines City, FL 33844
FLCOA #0 278

Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Root overhang supports 2.00 psf soffit load.

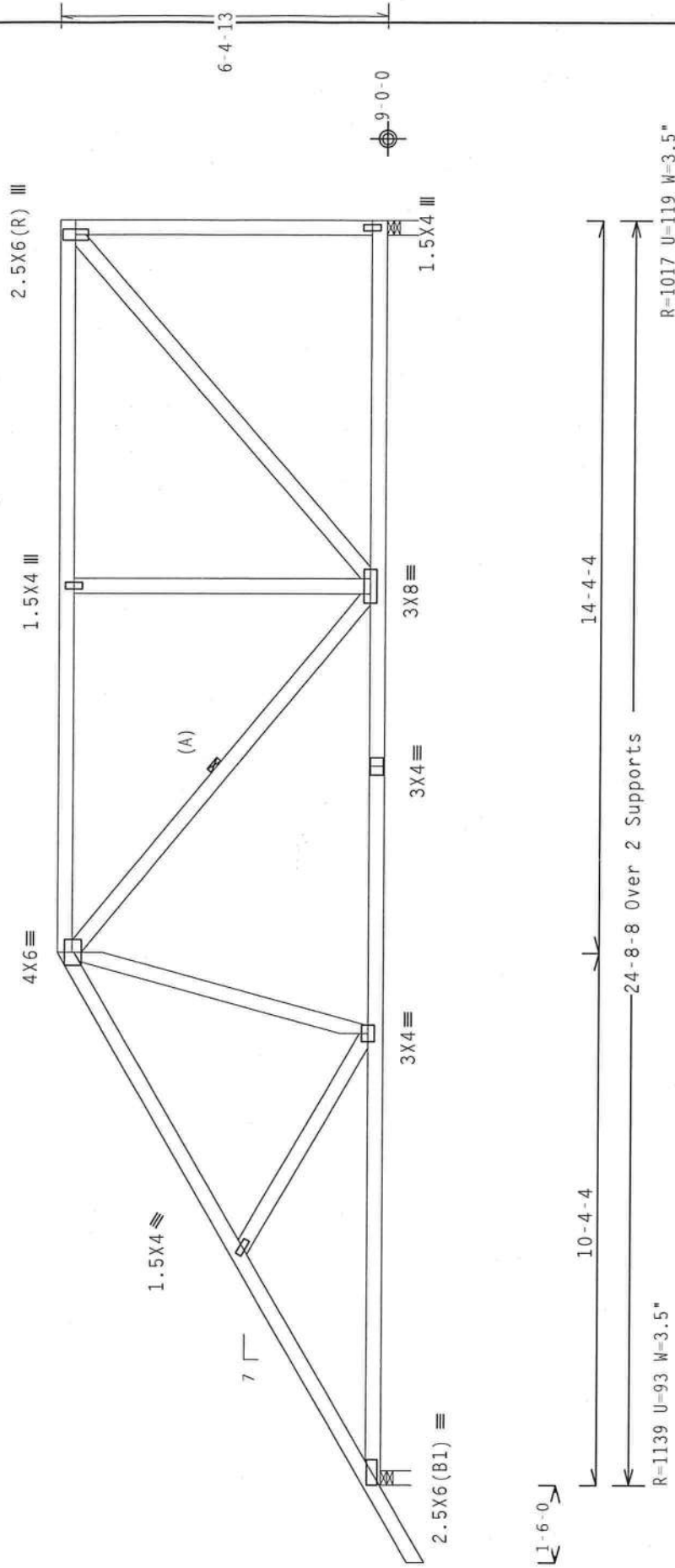
(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

7 36 00

ОТЧЕТ

511-1-101-13

Scale = .3125"/Ft.

WARNING—PRIESTS REQUIRE EXTENSIVE CARE IN FABRICATION. HARDENED, SHIPITING, INSTALLING AND BRACING.
****REFER TO** (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE STEEL PLATE INSTITUTE, 210
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 FOR A SAFE (GOOD TRUSS COMPANY)
ENTERPRISE NAME, MADISON, MI 53719. (A SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS, UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
PROPERLY ATTACHED RIGID CELLING.

[illegible]

TC LL	20.0	PSF	REF	R8228- 64265
TC DL	10.0	PSF	DATE	07/31/08
BC DL	10.0	PSF	DRW	HCUSR8228 08213016
BC LL	0.0	PSF	HC-ENG	JB/DF
TOT.LD.	40.0	PSF	SEQN-	37795
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1TJ08228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

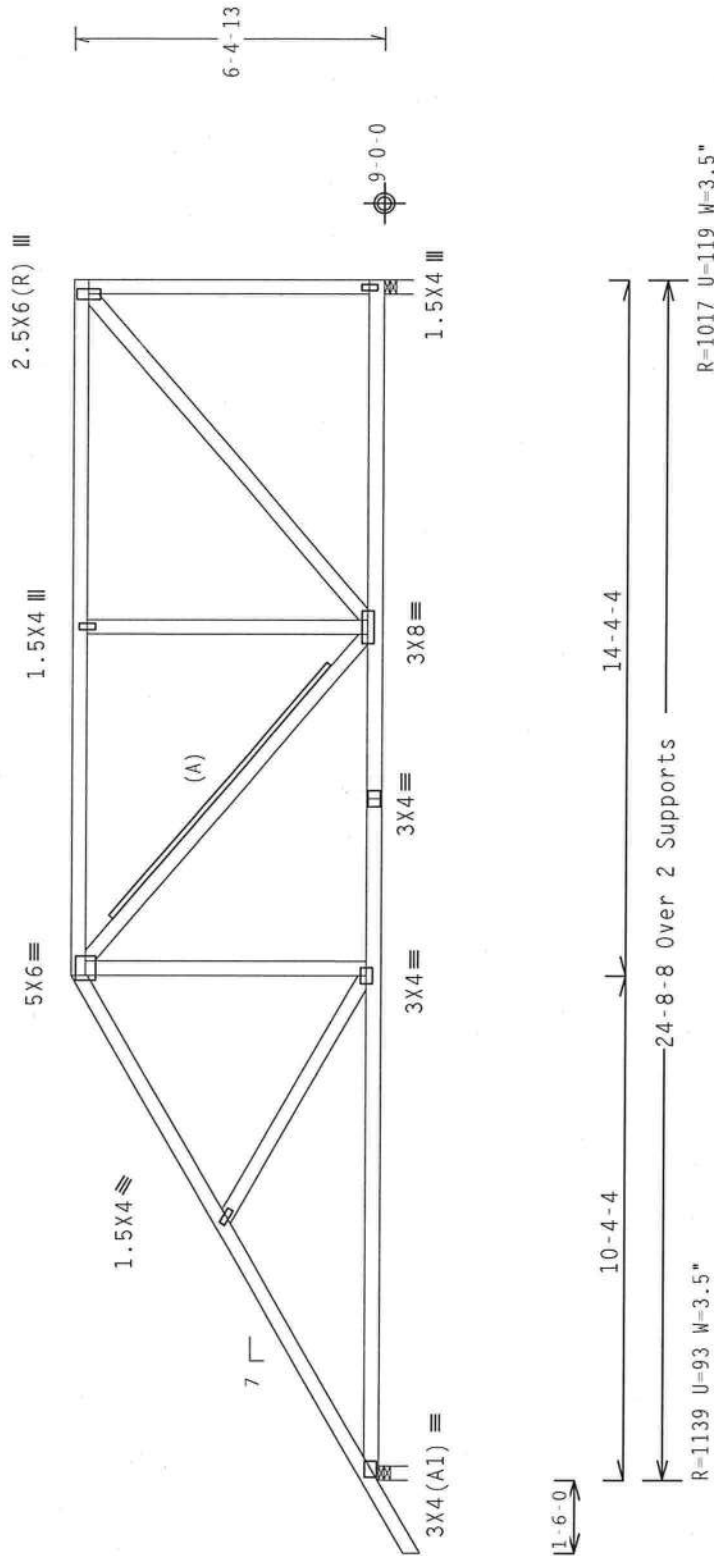
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS POINT INSTITUTE, 6100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. THE BCG CONNECTION PLATES ARE MADE OF 20/18/16GA (0.0175/0.0156/0.0125) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2, 1604-3, 1604-4, 1604-5, 1604-6, 1604-7, 1604-8, 1604-9, 1604-10, 1604-11, 1604-12, 1604-13, 1604-14, 1604-15, 1604-16, 1604-17, 1604-18, 1604-19, 1604-20, 1604-21, 1604-22, 1604-23, 1604-24, 1604-25, 1604-26, 1604-27, 1604-28, 1604-29, 1604-30, 1604-31, 1604-32, 1604-33, 1604-34, 1604-35, 1604-36, 1604-37, 1604-38, 1604-39, 1604-40, 1604-41, 1604-42, 1604-43, 1604-44, 1604-45, 1604-46, 1604-47, 1604-48, 1604-49, 1604-50, 1604-51, 1604-52, 1604-53, 1604-54, 1604-55, 1604-56, 1604-57, 1604-58, 1604-59, 1604-60, 1604-61, 1604-62, 1604-63, 1604-64, 1604-65, 1604-66, 1604-67, 1604-68, 1604-69, 1604-70, 1604-71, 1604-72, 1604-73, 1604-74, 1604-75, 1604-76, 1604-77, 1604-78, 1604-79, 1604-80, 1604-81, 1604-82, 1604-83, 1604-84, 1604-85, 1604-86, 1604-87, 1604-88, 1604-89, 1604-90, 1604-91, 1604-92, 1604-93, 1604-94, 1604-95, 1604-96, 1604-97, 1604-98, 1604-99, 1604-100. A SEAL ON THIS DESIGN SHOWS THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



QTY:1	FL/-/4/-/1-/R/-	Scale = .25" / Ft.
TC LL	20.0 PSF	REF R8228- 64266
TC DL	10.0 PSF	DATE 07/31/08
BC DL	10.0 PSF	DRW HCUSR8228 08213017
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT.LD.	40.0 PSF	SEQN- 37800
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ08228Z02

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

: Lt. Stubbled Wedge 2x4 SP #3:

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Deflection meets L/240 live a factor for dead load is 1.50.



R=1959 II=196 W=3 5"

TPI - 2002 (STD) / FBC
Cq/RT=1.00(1.25) / 0(0)
7 36.00

7.36.00

QTY:1 FL / - / 4 / - / - / R / -

$$\text{Scale} = 125''/\text{ft}$$
[illegible]

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.27 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

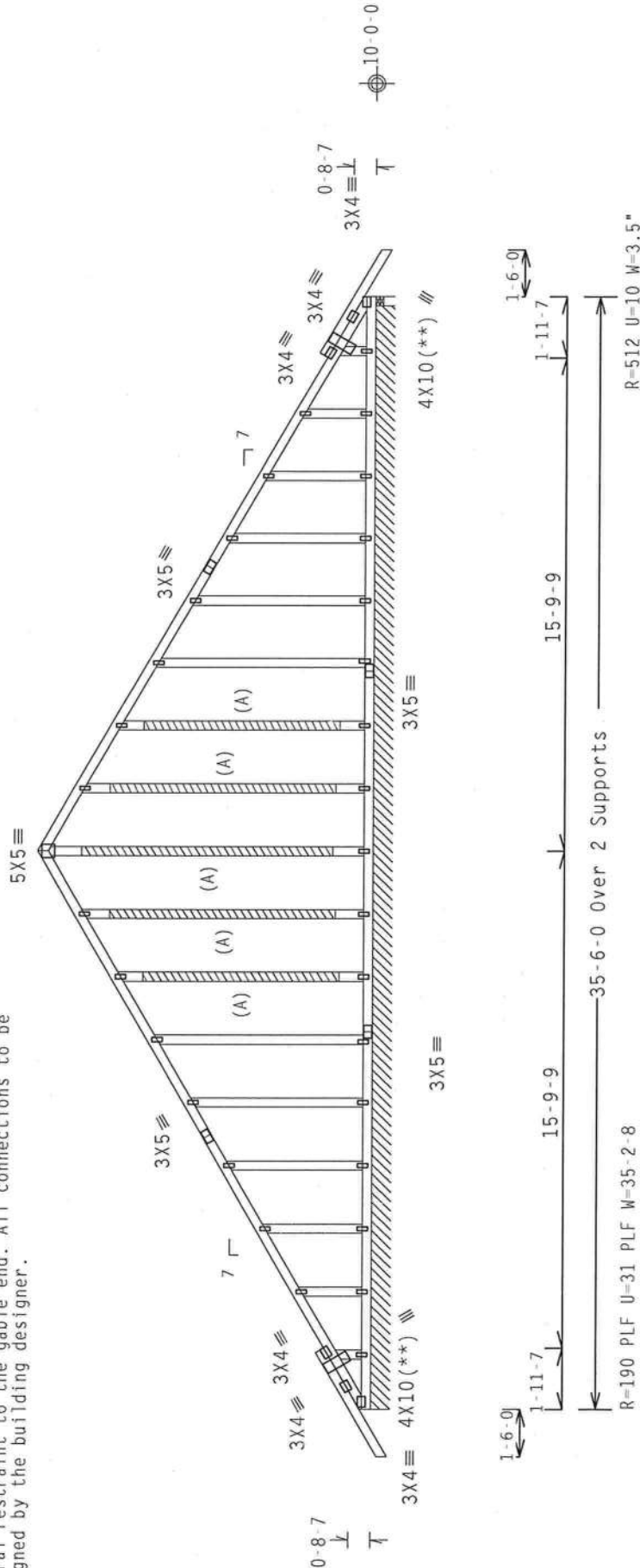
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.00(1.25)/0(0)

7.36.00

QTY:1 FL/-4/-R/-

Scale = .1875"/ft.

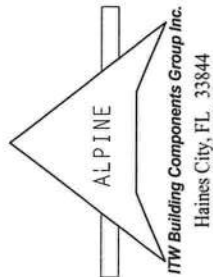
TC LL	20.0 PSF	REF	R8228- 64268
TC DL	10.0 PSF	DATE	07/31/08
BC DL	10.0 PSF	DRW	HCUSR8228 08213033
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	37837
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TJ08228Z02

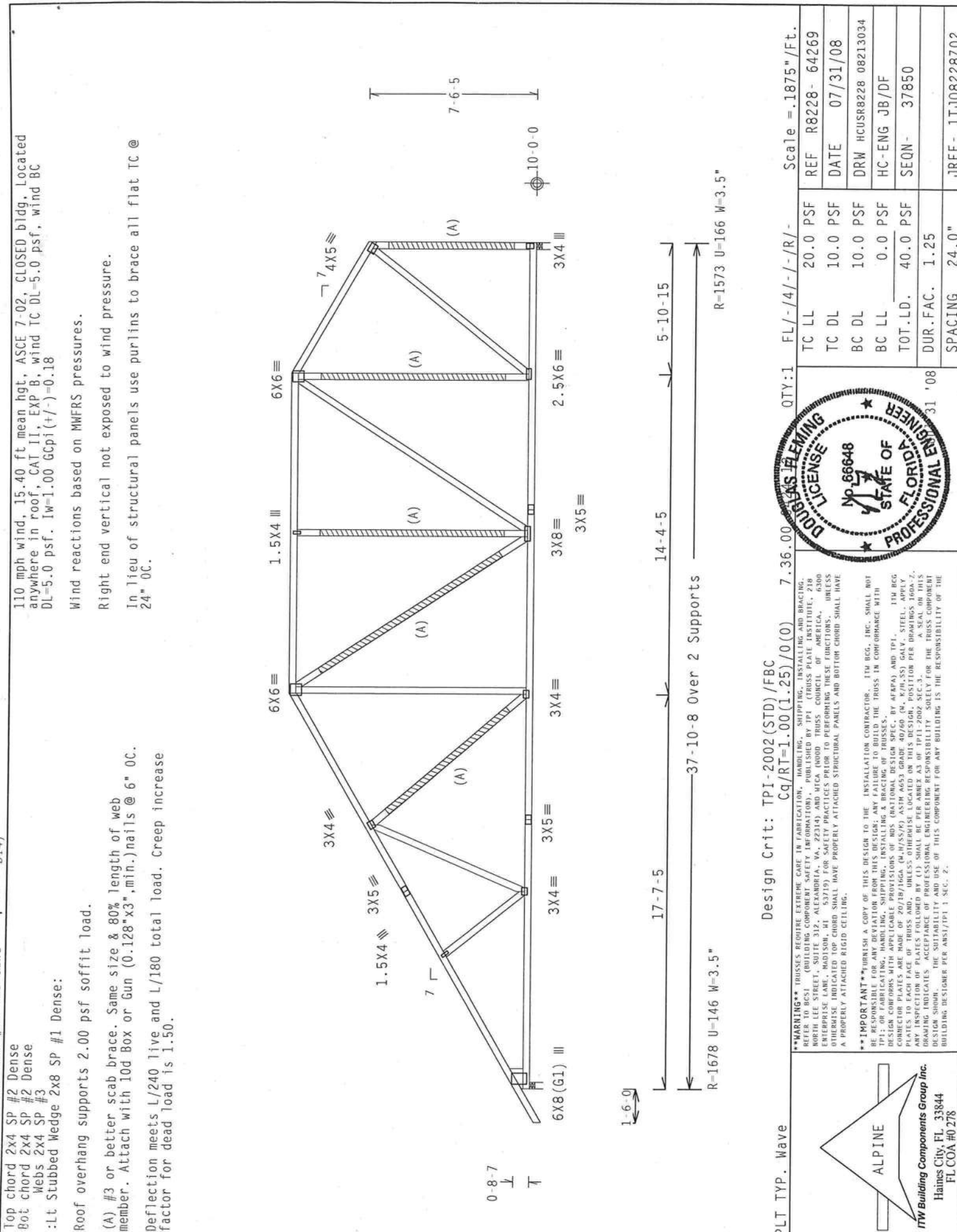


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DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 20/18/16GA (40/55/52) ASTM A653 GRADE 40/60 (IN. K7H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROJECT. THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.





110 mph wind, 15.40 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubby Wedge 2x8 SP #1 Dense:
Roof overhang supports 2.00 psf soffit load.
(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

PLT TYP. Wave		Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0)		7.36.00		QTY:1		FL/-/4/-/-/R/-		Scale = .1875" / Ft.	
								TC LL		20.0 PSF	
								TC DL		10.0 PSF	
								BC DL		10.0 PSF	
								BC LL		0.0 PSF	
								TOT.LD.		40.0 PSF	
								DUR.FAC.		1.25	
								SPACING		24.0"	
								REF		R8228- 64269	
								DATE		07/31/08	
								DRW		HCUSR8228 08213034	
								HC-ENG		JB/DF	
								SEQN-		37850	
								JREF-		1TJ08228Z02	